

**What is claimed is:**

1. An aqueous binder comprising condensation products **AB** of carboxyl-containing resins **A** and hydroxyl group-containing resins **B**, hydroxyurethanes **C**, and curing agents **D** which are active even at temperatures starting at 120 °C wherein the hydroxyurethanes **C** include units derived from polyfunctional hydroxy compounds **Ca** having at least 4 carbon atoms, it being possible for some of the carbon atoms to be replaced by oxygen atoms or by ester groups, and at least two hydroxyl groups, and units derived from polyfunctional isocyanates **Cb** selected from isocyanates of the formula  $R(NCO)_n$ , where  $R$  is an  $n$ -functional cycloaliphatic, aliphatic-polycyclic, aromatic-aliphatic-branched or aromatic radical and  $n$  is at least 2.
2. The aqueous binder as claimed in claim 1, wherein the hydroxyurethanes **C** contain terminal hydroxyl groups.
3. The aqueous binder as claimed in claim 1, wherein the hydroxyurethanes **C** include units derived from diols **Ca** and diisocyanates **Cb**.
4. The aqueous binder as claimed in claim 1, wherein the curing agents **D** comprise water-dilutable amino resins **D1** and blocked or nonblocked isocyanates **D2**.
5. The aqueous binder as claimed in claim 1, wherein the hydroxyurethanes **C** have a Staudinger index of from 4 to 19  $\text{cm}^3/\text{g}$ , measured in dimethylformamide solvent at 23 °C.

6. The aqueous binder as claimed in claim 1, wherein  
the condensation products **AB** have an acid number of  
from 25 to 75 mg/g, and a Staudinger index of from  
10 to 20 cm<sup>3</sup>/g, measured in dimethylformamide solvent  
at 23 °C, and are obtainable by condensing hydroxyl-  
containing resins **B** having an hydroxyl number of  
from 50 to 500 mg/g and carboxyl-containing resins  
**A** having an acid number of from 100 to 230 mg/g.
- 10 7. The aqueous binder as claimed in claim 1, wherein  
the mass fraction of the hydroxyurethanes **C** in the  
sum of the masses of condensation products **AB** and  
admixture resin **C** is between 5 and 40 %.
- 15 8. The aqueous binder as claimed in claim 1, wherein  
the mass fraction of the curing agents **D** in the sum  
of the masses of condensation products **AB**, the  
hydroxyurethanes **C**, and the curing agents **D** is from  
2 to 20 %.
- 20 9. A method of use of an aqueous binder as claimed in  
claim 1 to prepare an automotive surfacer material,  
wherein the condensation products **AB** first are  
mixed with the hydroxyurethanes **C** and neutralized,  
25 the mixture is then dispersed in water, a portion of  
this dispersion being intimately mixed with pigments  
and fillers and also, where appropriate, further  
additives, and then the remainder of the dispersion  
and the curing agent **D** and also, where appropriate,  
30 further water is added.
10. An automotive surfacer material comprising the  
aqueous binder as claimed in claim 1.